

Rhode Island Precipitation
National Weather Service Boston/Norton, MA
Preliminary Precipitation Data (inches) by Drought Region
Past 12 to 36 months ending March 2021
Includes CoCoRaHS Data

RI 1 month March 2021	Rainfall	Departure	Percent	Normal
Northwest	2.42	-3.03	44	5.45
Northeast	2.42	-2.60	48	5.02
Central West	3.16	-2.00	61	5.16
Central East	3.15	-1.86	63	5.01
Eastern	2.66	-3.02	47	5.68
Southern	3.23	-2.31	58	5.54
New Shoreham	2.99	-2.55	54	5.54

RI 2 month Feb-Mar 21	Rainfall	Departure	Percent	Normal
Northwest	5.85	-3.56	62	9.41
Northeast	5.99	-2.58	70	8.57
Central West	6.91	-1.85	79	8.76
Central East	6.65	-1.65	80	8.30
Eastern	6.32	-3.13	67	9.45
Southern	7.53	-1.70	82	9.23
New Shoreham	9.83	0.60	107	9.23

RI 3 month Jan-Mar 21	Rainfall	Departure	Percent	Normal
Northwest	8.64	-5.05	63	13.69
Northeast	8.48	-4.16	67	12.64
Central West	9.65	-3.18	75	12.83
Central East	8.88	-3.28	73	12.16
Eastern	8.33	-4.97	63	13.30
Southern	9.92	-3.42	74	13.34
New Shoreham	12.19	-1.15	91	13.34

RI 6 month Oct 20-Mar 21	Rainfall	Departure	Percent	Normal
Northwest	28.18	-0.08	100	28.26
Northeast	27.79	0.97	104	26.82
Central West	30.86	4.23	116	26.63
Central East	29.32	4.50	118	24.82
Eastern	25.45	-0.43	98	25.88
Southern	30.47	3.11	111	27.36
New Shoreham	32.83	5.47	120	27.36

RI 12 month Apr 20-Mar 21	Rainfall	Departure	Percent	Normal
Northwest	46.72	-6.98	87	53.70
Northeast	45.90	-5.52	89	51.42
Central West	47.55	-3.22	94	50.77
Central East	45.57	-1.61	97	47.18
Eastern	38.82	-9.72	80	48.54
Southern	46.16	-6.71	87	52.87
New Shoreham	47.09	-5.78	89	52.87

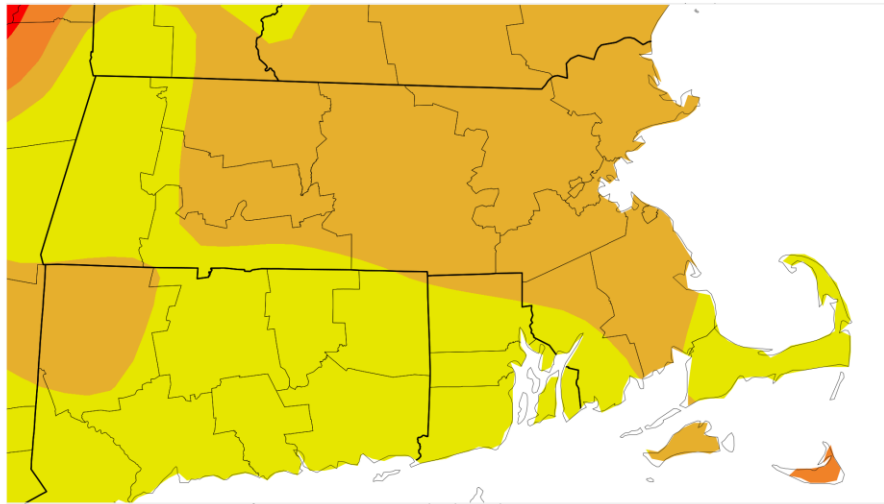
RI 24 month Apr 19-Mar 21	Rainfall	Departure	Percent	Normal
Northwest	104.80	-2.60	98	107.40
Northeast	98.85	-3.99	96	102.84
Central West	104.94	3.40	103	101.54
Central East	96.84	2.48	103	94.36
Eastern	90.78	-6.30	94	97.08
Southern	106.15	0.41	100	105.74
New Shoreham	98.12	-7.62	93	105.74

RI 36 month Apr 18-Mar 21	Rainfall	Departure	Percent	Normal
Northwest	170.39	9.29	106	161.10
Northeast	162.55	8.29	105	154.26
Central West	170.60	18.29	112	152.31
Central East	159.57	18.03	113	141.54
Eastern	144.55	-1.07	99	145.62
Southern	164.23	5.62	104	158.61
New Shoreham	151.04	-7.57	95	158.61

RI 4 month Dec 20-Mar 21	Rainfall	Departure	Percent	Normal
Northwest	16.82	-1.71	91	18.53
Northeast	18.38	1.00	106	17.38
Central West	20.50	3.07	118	17.43
Central East	19.12	2.74	117	16.38
Eastern	15.62	-2.00	89	17.62
Southern	19.49	1.44	108	18.05
New Shoreham	20.33	2.28	113	18.05

RI 5 month Nov 20-Mar 21	Rainfall	Departure	Percent	Normal
Northwest	22.91	-0.58	98	23.49
Northeast	22.38	0.21	101	22.17
Central West	24.62	2.44	111	22.18
Central East	23.09	2.20	111	20.89
Eastern	19.78	-2.17	90	21.95
Southern	24.16	1.06	105	23.10
New Shoreham	26.09	2.99	113	23.10

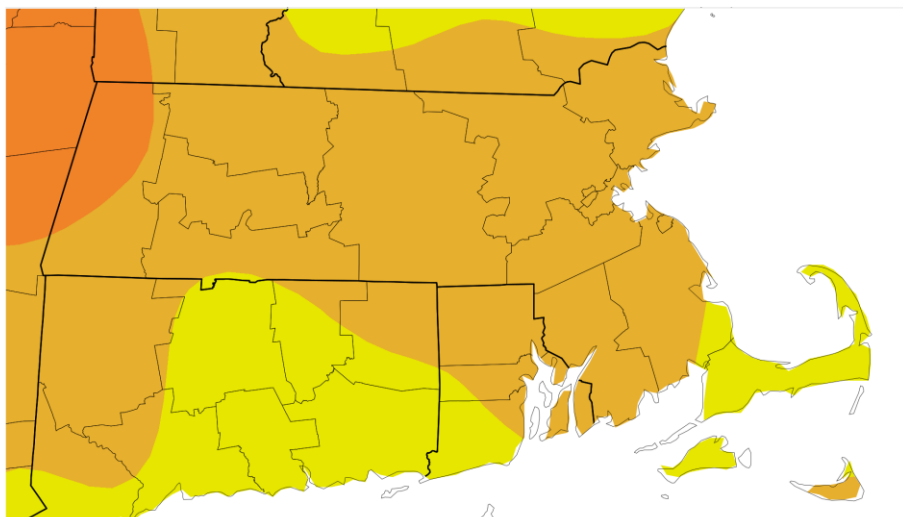
Monthly SPI
3/1/2021 – 3/31/2021



Generated 4/1/2021 at HPRCC using provisional data. NOAA Regional Climate Centers

Map 1. March 2021 SPI. From the NOAA Regional Climate Centers.

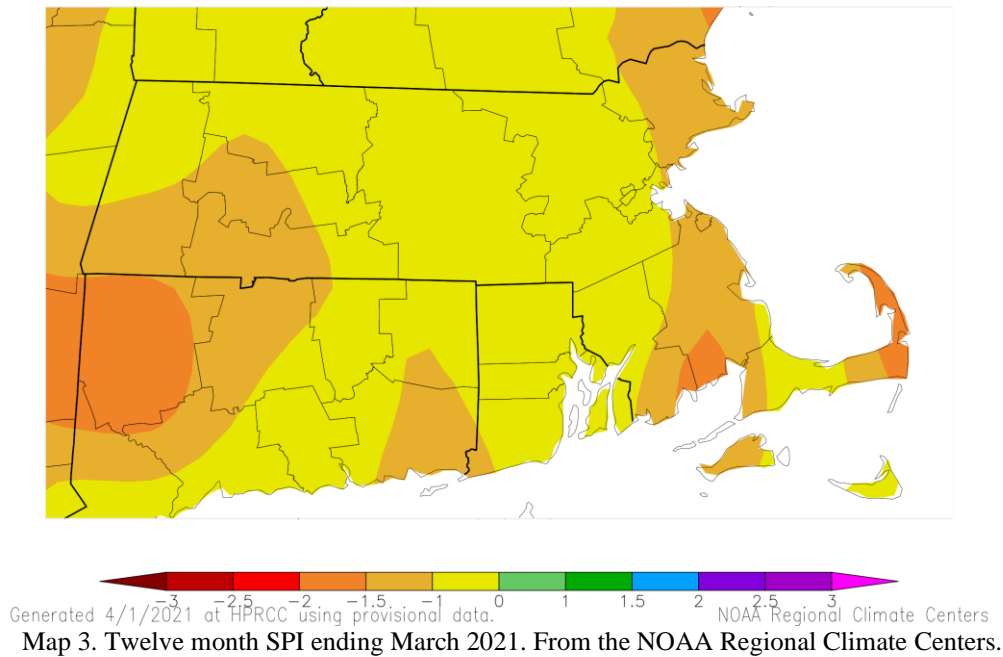
3-Month SPI
1/1/2021 – 3/31/2021



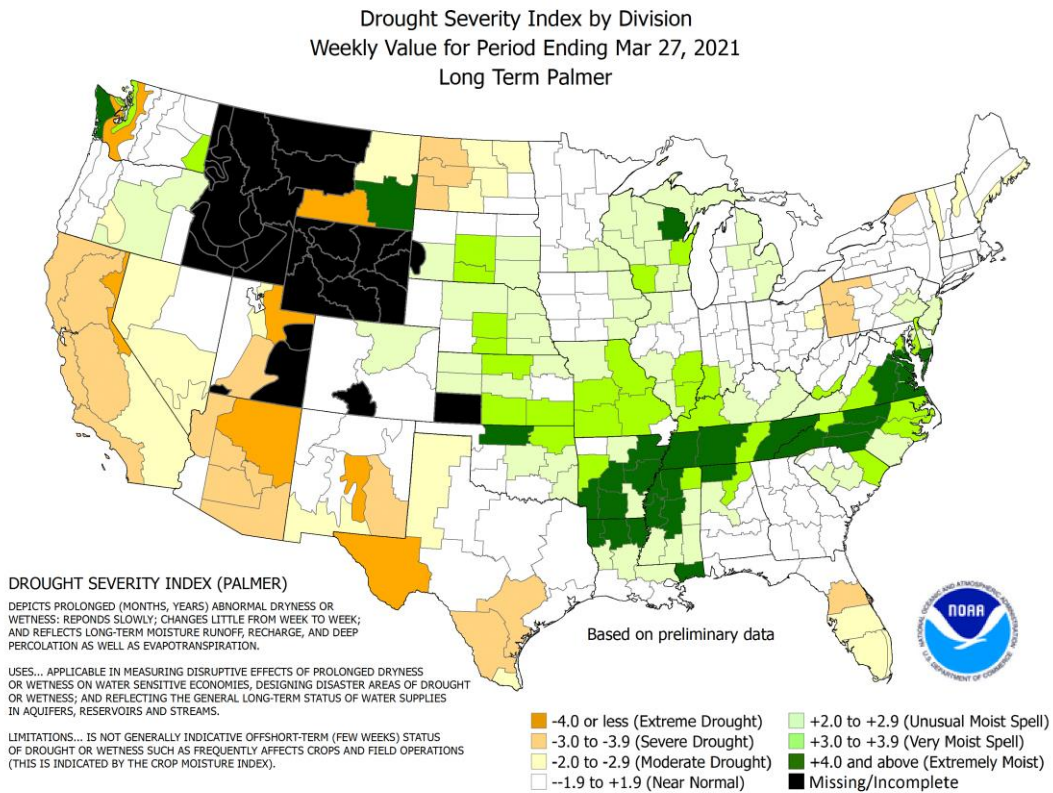
Generated 4/1/2021 at HPRCC using provisional data. NOAA Regional Climate Centers

Map 2. Three-Month SPI ending March 2021. From the NOAA Regional Climate Centers.

12-Month SPI
4/1/2020 – 3/31/2021



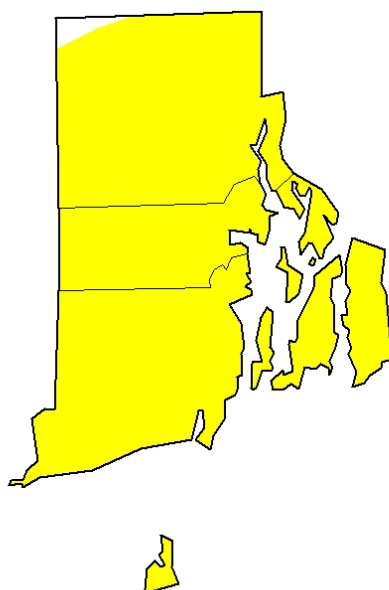
Map 3. Twelve month SPI ending March 2021. From the NOAA Regional Climate Centers.



Map 4. Palmer Drought Index from the Climate Prediction Center, NOAA, dated 3/27/21.
RI Palmer is in the Normal range, -0.10.

U.S. Drought Monitor Rhode Island

March 30, 2021
(Released Thursday, Apr. 1, 2021)
Valid 8 a.m. EDT



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Pugh
CPC/NOAA

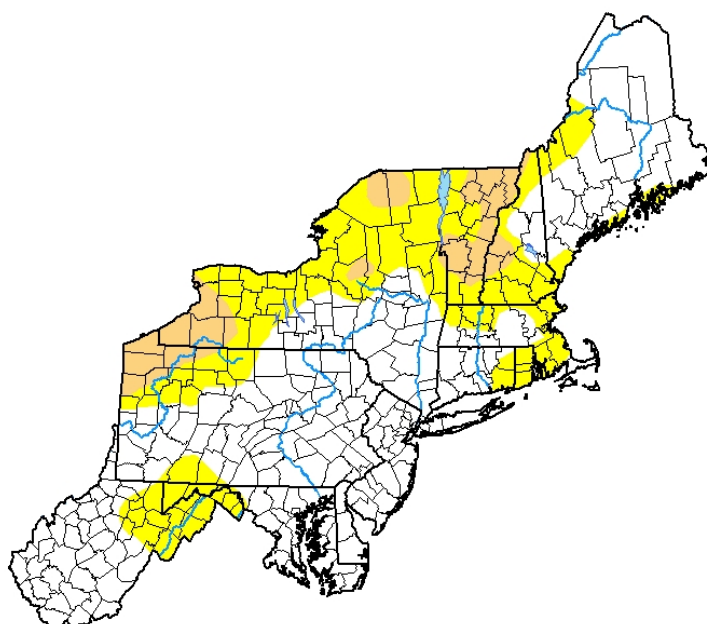


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Map 5. US Drought Monitor for Rhode Island, valid 3/30/2021.

U.S. Drought Monitor Northeast

March 30, 2021
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Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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Map 6. US Drought Monitor for the Northeast US, valid 3/30/2021.